



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010438  
CERTIFICATION DATE: September 17, 2013  
DATE RECERTIFICATION DUE: March 16, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

Program Manager, Calibration & Training

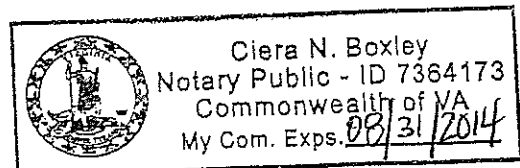
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23rd day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TIN



DBH  
msk

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/20/2013**

<b>Instrument Serial Number:</b> 010438	<b>As of 20-Sep-13</b>
-----------------------------------------	------------------------

Maintenance Date	Certification Date	Technician Initials	Remarks
17-Sep-13	17-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
03-Apr-13	03-Apr-13	HMS (18910)	CERTIFIED
18-Oct-12	18-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
02-May-12	02-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	DBH (21250)	CERTIFIED
03-Jun-11	03-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Dec-10	28-Dec-10	HMS (18910)	CERTIFIED
15-Jul-10	15-Jul-10	HMS (18910)	CERTIFIED
22-Oct-09	22-Oct-09	HMS (18910)	CALIBRATED AND CERTIFIED.
03-Aug-09	03-Aug-09	HMS (18910)	REPLACED TANK TOP LID, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
13-Nov-08	13-Nov-08	RJP (22428)	CERTIFIED.
07-Nov-08	07-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
MSK

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010438 Worksheet Start Date 9/17/2013

Location Halifax ADC

Address 70 Main St Halifax VA 24558

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

## Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒

☐

**2 Environment free from contaminants**

☒

☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒

☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

50  
50

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010438

Certification Date 9/17/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 759

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.249	0.241	0.256	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-19

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.099
0.001		0.098	0.099		

DFS Technician

*Donald B Hall*

Date

9/20/13

Issuing Analyst

*Melissa Kennedy*

Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

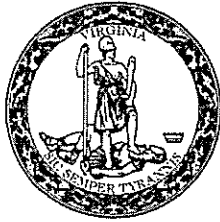
Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---------------------------------------------	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/17/2013</b>
TEST EQUIPMENT NUMBER <b>010438</b>		

RESULTS: TIME SAMPLE TAKEN 13:37 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

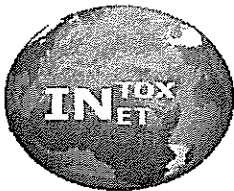
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 17 Sep 2013 at 13:44

Red  
DBH  
MSL

## Test Results

Instrument Serial Number 010438

Test # 000503 Subject Test

Test Location 1 Department of  
Test Date 17 Sep 2013

Test Location 2 Forensic Science  
Test Time 13:31  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Sep 2013 End Time 13:38

Result Time 13:37

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:31

Data Type BLK

Sample Value 0.000

Sample Time 13:32

Data Type CHK

Sample Value 0.100

Sample Time 13:32

Data Type BLK

Sample Value 0.000

Sample Time 13:34

Data Type SUBJ

Sample Value 0.000

Sample Time 13:34

Data Type BLK

Sample Value 0.000

Sample Time 13:35

Data Type SUBJ

Sample Value 0.000

Sample Time 13:37

Data Type BLK

Sample Value 0.000

Sample Time 13:38

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-13

Standard Expiration Date 03/06/2014

Tank Pressure 909

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.77 sec

Blow Volume 1983 cc End-of-Blow Time 13:34

Blow Sample Number 2 Blow Duration 3.53 sec

Blow Volume 1917 cc End-of-Blow Time 13:37

Tamper Evident Stamp a0794db1

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010438

System Date: 09/17/2013

System Time: 14:01 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

MSX

**Intox EC/IR-II: Calibration**

DBH  
WHL

*Department of Forensic Science*

Serial Number: 010438      Test Number: 504

Test Date: 09/17/2013      Test Time: 14:04 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 424 psi      Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:05
CAL	0.100	14:06

Test Status: *Success*

Calibration CRC: 9EB5CF9C



**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

MDL

Serial Number: 010438      Test Number: 505  
Test Date: 09/17/2013      Test Time: 14:11 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 29612250I2-10      Exp Date: 11/01/2014  
Tank Pressure: 286 psi      Barometric Pressure: 757 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:11
BLK	0.000	14:12
CHK	0.247	14:13
BLK	0.000	14:14
CHK	0.246	14:15
BLK	0.000	14:16
CHK	0.246	14:17
BLK	0.000	14:18

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

**Intox EC/IR-II: Certification**

NSL

*Department of Forensic Science*

Serial Number: 010438      Test Number: 506

Test Date: 09/17/2013      Test Time: 14:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07      Exp Date: 04/01/2014

Tank Pressure: 80 psi      Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:21
BLK	0.000	14:22
CHK	0.149	14:23
BLK	0.000	14:24
CHK	0.149	14:25
BLK	0.000	14:26
CHK	0.149	14:27
BLK	0.000	14:28

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010438      Test Number: 507  
Test Date: 09/17/2013      Test Time: 14:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03      Exp Date: 04/01/2014  
Tank Pressure: 252 psi      Barometric Pressure: 756 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:31
BLK	0.000	14:32
CHK	0.080	14:33
BLK	0.000	14:34
CHK	0.080	14:35
BLK	0.000	14:36
CHK	0.080	14:37
BLK	0.000	14:38

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

Department of Forensic Science  
Serial Number: 010438      Test Number: 508  
Test Date: 09/17/2013      Test Time: 14:40 EDT

Technician Initials: DBH  
Dry Gas Target: 0.020  
Lot Number: 0651202011-05      Exp Date: 04/01/2014  
Tank Pressure: 149 psi      Barometric Pressure: 756 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:41
BLK	0.000	14:42
CHK	0.019	14:43
BLK	0.000	14:44
CHK	0.019	14:45
BLK	0.000	14:46
CHK	0.019	14:47
BLK	0.000	14:48

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

2017

**Intox EC/IR-II: Accuracy Check**

NSL

*Department of Forensic Science*

Serial Number: 010438      Test Number: 509

Test Date: 09/17/2013      Test Time: 14:51 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 389 psi      Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:52
CHK	0.300	14:53
BLK	0.000	14:55
CHK	0.299	14:55
BLK	0.000	14:57
CHK	0.299	14:58

Test Status: *Success*

Calibration CRC: 9EB5CF9C

## Intox EC/IR-II: Accuracy Check

MJK

Department of Forensic Science

Serial Number: 010438 Test Number: 510

Test Date: 09/17/2013 Test Time: 15:02 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-19 Exp Date: 06/12/2015

Tank Pressure: 1120 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:03
CHK	0.099	15:04
BLK	0.000	15:05
CHK	0.098	15:06
BLK	0.000	15:07
CHK	0.099	15:08

Test Status: Success

Calibration CRC: 9EB5CF9C

DSH

MSK




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---------------------------------------------	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/17/2013</b>
TEST EQUIPMENT NUMBER <b>010438</b>		

RESULTS: TIME SAMPLE TAKEN **15:17 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Sep 2013 at 16:31

DBH  
MOL

## Test Results

Instrument Serial Number 010438

Test # 000511 Subject Test

Test Location 1 Department of  
Test Date 17 Sep 2013

Test Location 2 Forensic Science

Test Time 15:11

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 17 Sep 2013 End Time 15:18

Result Time 15:17

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:11

Data Type BLK

Sample Value 0.000

Sample Time 15:12

Data Type CHK

Sample Value 0.098

Sample Time 15:12

Data Type BLK

Sample Value 0.000

Sample Time 15:14

Data Type SUBJ

Sample Value 0.000

Sample Time 15:14

Data Type BLK

Sample Value 0.000

Sample Time 15:15

Data Type SUBJ

Sample Value 0.000

Sample Time 15:17

Data Type BLK

Sample Value 0.000

Sample Time 15:18

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-19

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.47 sec

Blow Volume 1813 cc End-of-Blow Time 15:14

Blow Sample Number 2 Blow Duration 3.97 sec

Blow Volume 2139 cc End-of-Blow Time 15:17

Tamper Evident Stamp 597ba9d9

Test Status Code 0

Test Status Success